

FIG. 1A

Ground Squirrels

mylfhlclvf acvpccptvga sklclqwlwd

1	HBC	AYW	mdi dpykefg atvelli\$flp	sdf fposvrdl	ldtassalyre
	HBC	ADW	mdi dpykefg atvelli\$flp	sdf fposvrdl	ldtassalyre
	HBC	ADW2	mdi dpykefg atvelli\$flp	sdf fposvrdl	ldtassalyre
	HBC	ADYW	mdi dpykefg atvelli\$flp	sdf fposvrdl	ldtaaalyrd
	Woodchuck		mdi dpykefg ssyqllnfpl	ldffpdlnal	vdtatalyee
	Ground Squirrel		mdi dpykefg ssyqllnfpl	ldffpdlnal	vdtaaaalyee

HBC	AYW	alespehcsp	hhtalrqail	cwgelmlat	wvgvnledpa
HBC	ADW	alespehcsp	hhtalrqail	cwgelmlat	wvgnnlqdpa
HBC	ADW2	alespehcsp	hhtalrqail	cwgelmlat	wvgnnlledpa
HBC	ADYW	alespehcsp	hhtalrqail	cwgdlmtlat	wvgtlnledpa
Woodchuck		eltgrehcsp	hhtairqgalv	cwdeltklia	wmssnitseq
Ground Squirrel		eltgrehcsp	hhtairqgalv	cweeltrlit	wmsentteev

**FIG. 1B**

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HBC	AYW	srdlvvsvvn	tnmglkfrql	lwfhiscltf	gretvleylv
HBC	ADW	srdlvvmyvn	tnmglkirql	lwfhiscltf	gretvleylv
HBC	ADW2	srdlvvnyvn	tnvglkirql	lwfhiscltf	gretvleylv
HBC	ADYW	srdlvvsvvn	tnvglkfrql	lwfhiscltf	gretvleylv
Woodchuck		vrtiivnhvn	dtwgllkvrgs	lwfhlscltf	gqhtvqeflv
Ground Squirrel		rriivdhvnn	twglkvrgtl	wfhlscltf	qhtvqeflv

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HBC	AYW	sfgvwirtp	ayrppnapi	stlpettvvr	rrgrsprrrt
HBC	ADW	sfgvwirtp	ayrppnapi	stlpettvvr	rrdrgrspr
HBC	ADW2	sfgvwirtp	ayrppnapi	stlpettvvr	rrdrgrspr
HBC	ADYW	sfgvwirtp	ayrppnapi	stlpettvvr	rrgrsprrrt
Woodchuck		sfgvwirtpa	pyrppnapi	stlpentvvr	rrggarasrs
Ground Squirrel		fgvwirtpap	yrppnapi	tlpehtvrr	rgsraarsp

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HBC	AYW	psprrrrsqs	prrrsqsre	sqc
HBC	ADW	rtpsprrrs	qsprrrrsqs	resqc
HBC	ADW2	rtpsprrrps	qsprrrrsqs	resqc
HBC	ADYW	psprrrrsqs	prrrsqsre	sqc
Woodchuck		prrtpspr	rrsqssprrr	sqc
Ground Squirrel		rrrtpspr	rsqsprrrs	qspasnc

**FIG. 2**

HindIII

pKK223-3

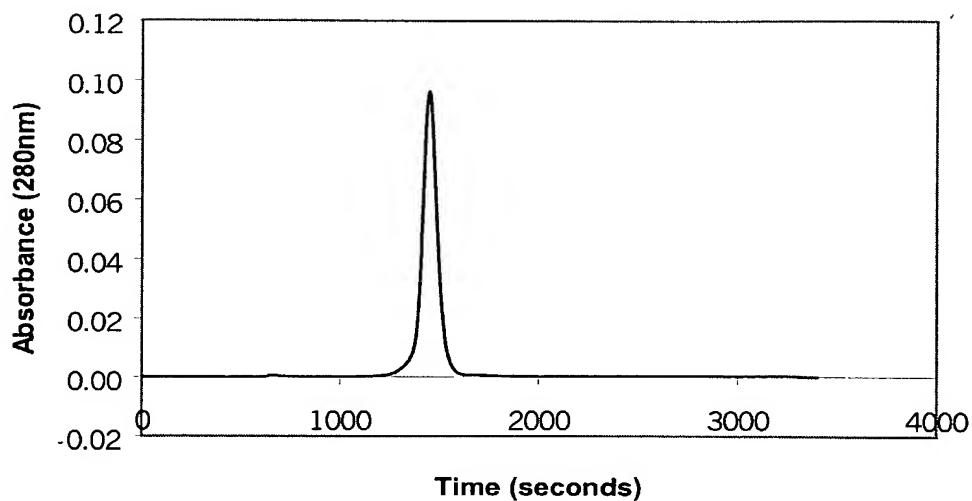
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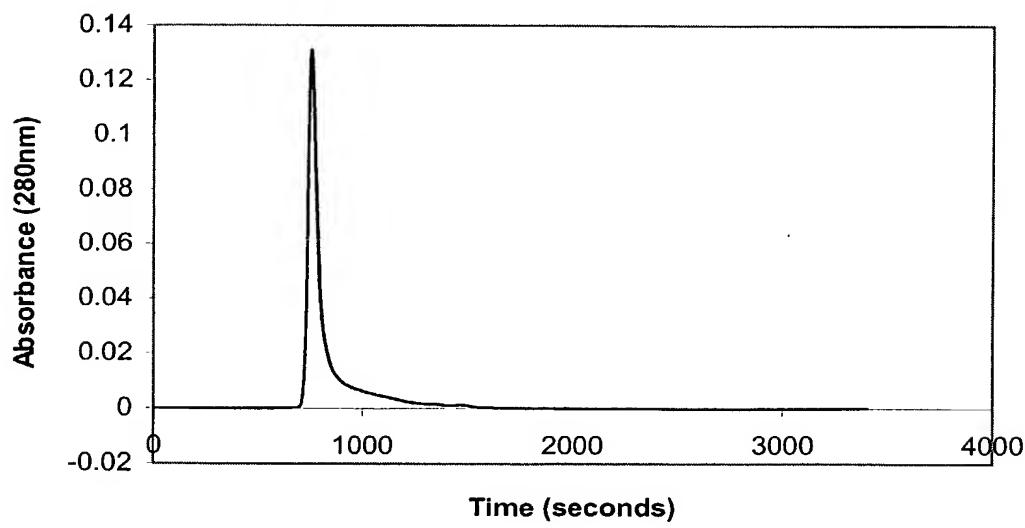
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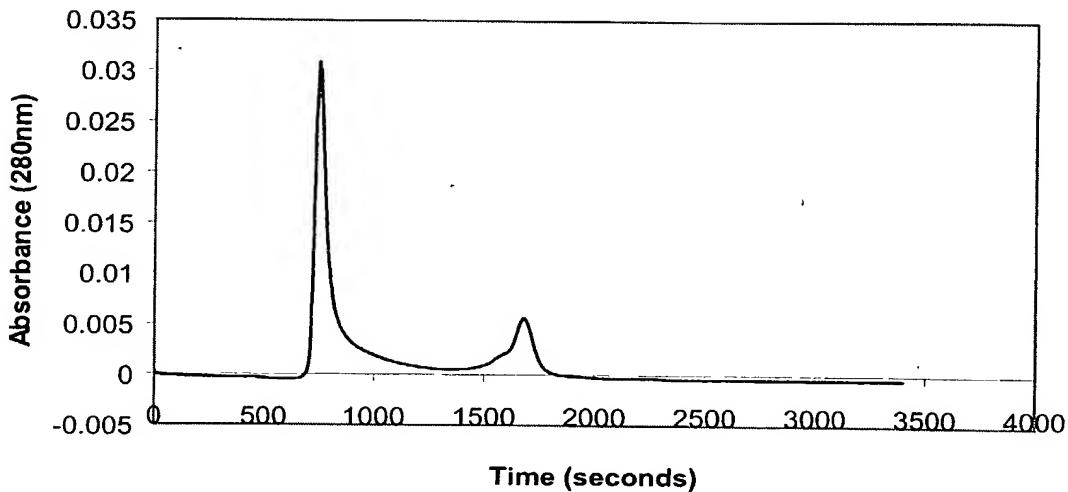
**Fig. 3**



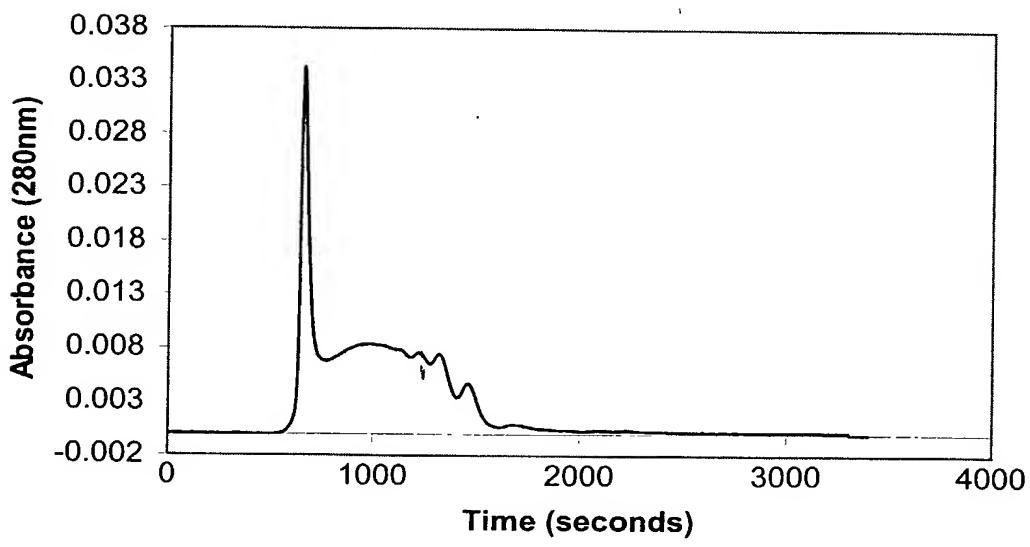
**Fig. 4**



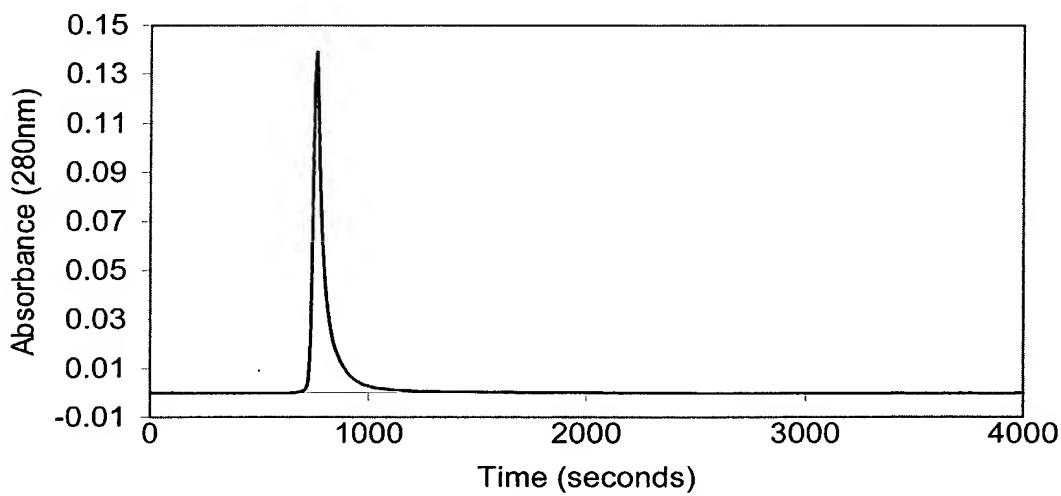
**Fig. 5**



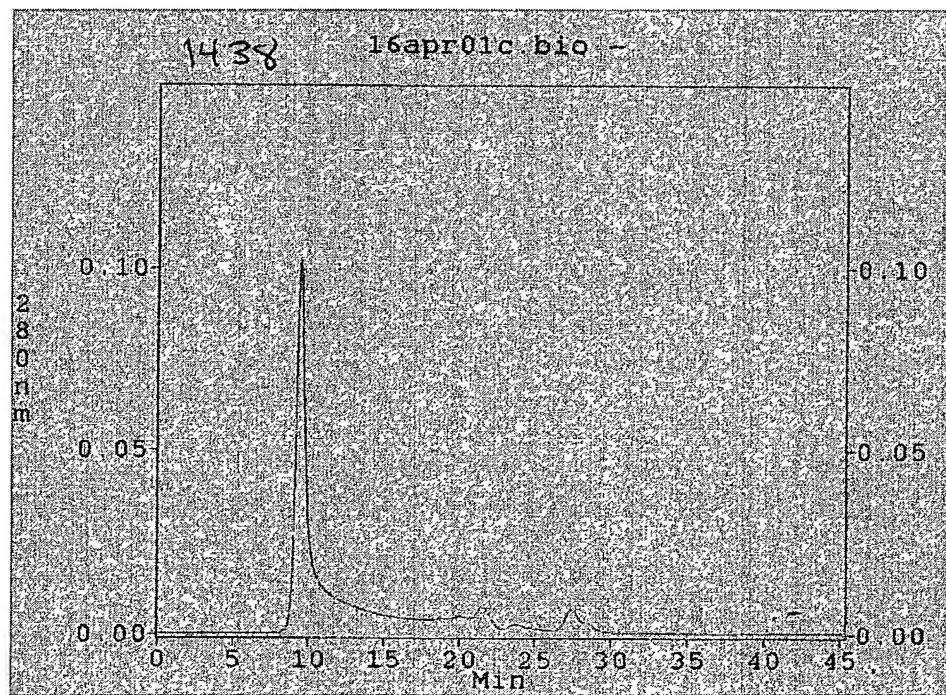
**Fig. 6**



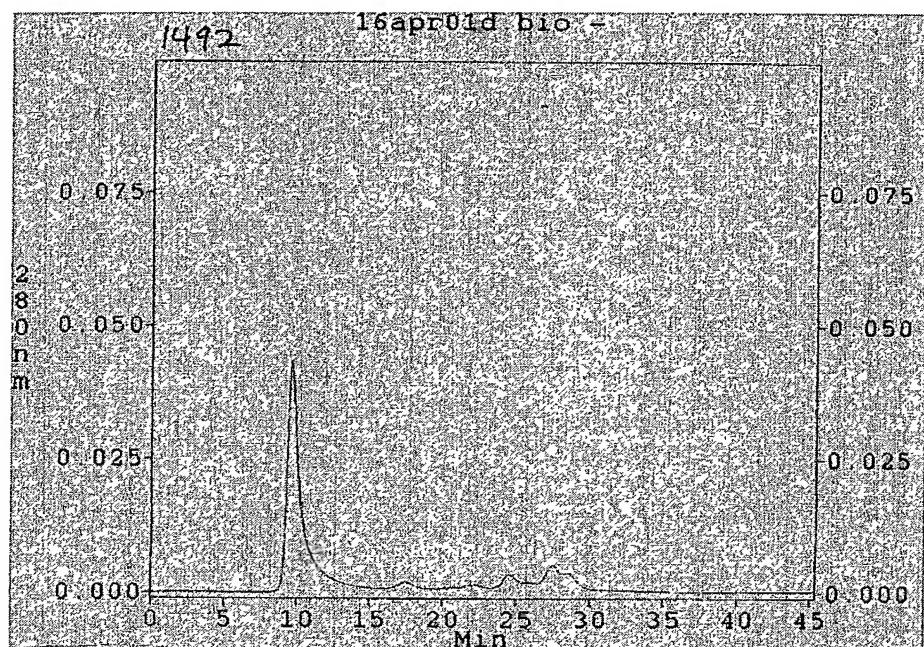
**Fig. 7**



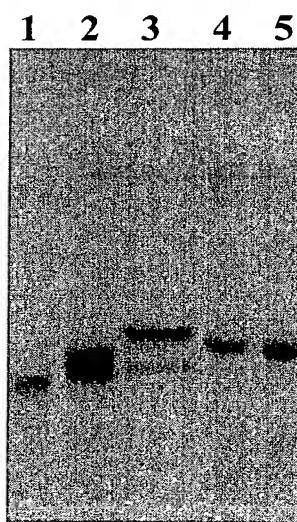
**Fig. 8**



**Fig. 9**



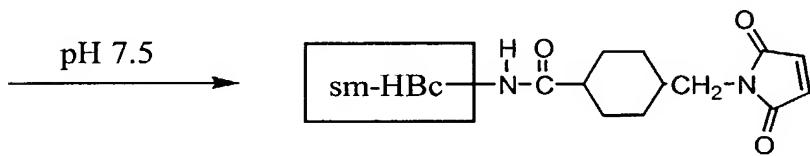
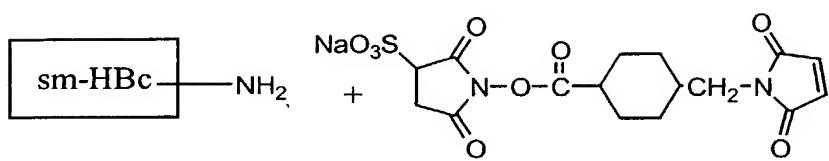
**Fig. 10**



**FIG. 11**

**Scheme 1**

**I**



**II**

